Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Saturday 16 Jan 2021 until 23:59 on Sunday 17 Jan 2021

Forecast Issued on Friday 15 Jan 2021 at 16:21

Confidence: High for the band of snow and rain crossing from the west Saturday morning, becoming medium for the extent of the showers later Saturday and through Sunday, then low for any detail of showers or longer periods of rain and summit snow from Monday.

Headline for Saturday 16 Jan 2021: Periods of snow and rain clearing to showers during the morning with freezing levels rising.

Mountain weather hazards on Saturday 16 Jan 2021

Blizzards Low Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow	Heavy snow	Heavy snow	Heavy Rain	Light rain showers	Sleet showers	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
90%	>95%	>95%	70%	60%	40%	20%	20%

Forecast for Saturday 16 Jan 2021

Weather: Overcast overnight with periods of snow and rain. Snow initially to all levels rising to around 300m come dawn, then 600m by mid-morning. Rain and summit snow gradually clearing from the west early to mid-morning, with snow level confined to the highest peaks from late morning. Showers frequent at first becoming isolated by late afternoon, with few remaining for the evening.

Chance of cloud free mountain/hill tops above 800m: 10-20% at first with bases broken to extensive from 450-650m, becoming 60% from late afternoon as bases lift and break.

Visibility: Handful of kilometres or less in early periods of rain and snow, also sporadically in later showers.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
(C) Crown Copyright 2021. All Rights Reserved

Mountain Weather Forecast

Forecast for Saturday 16 Jan 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	45/53 S	52/63 S	47/57 S	31/37 SW	35/43 W	42/51 W	38/47 W	37/46 W	36/46 W
600	42/54 S	47/62 S	39/52 S	25/34 SW	28/37 W	33/45 W	29/40 W	31/42 W	29/41 W
300	15/40 S	16/43 S	11/34 S	9/27 W	10/31 W	14/37 W	11/34 W	13/34 W	13/33 W
Valley	12/33 SE	12/35 SE	8/29 SE	6/23 W	10/29 W	12/32 W	9/29 W	11/30 W	11/29 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-0/-10	-0/-11	-1/-11	1/-6	1/-7	0/-8	-1/-10	-1/-10	-2/-11
600	-1/-11	-1/-11	-0/-9	3/-4	3/-4	3/-5	2/-6	1/-7	0/-7
300	-1/-6	0/-6	1/-3	4/1	5/1	5/1	4/-0	3/-1	3/-2
Valley	1/-4	2/-3	3/1	6/4	7/4	7/4	6/3	6/2	5/1
Freezing Level*	200m	400m	600m	1100m	1200m	1000m	800m	700m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Worst of the conditions expected early morning when severe summit gales and extensive hill fog are coupled with driving snow and rain.

Forecast for Sunday 17 Jan 2021

Weather: Sunshine and showers, these quite isolated by day, then heavier and more frequent during the evening. Snow level occasionally lowering to highest summits.

Maximum wind: West 30-35mph at first with gusts reaching 50mph. Winds gradually easing from mid-morning.

Chance of cloud free mountain/hill tops above 800m: 80% with bases lowering across the summits as showers pass through.

Visibility: Good or very good, becoming a moderate or poor in showers.

Temperature: **Valleys:** Minus 1 Celsius increasing 7 Celsius for the afternoon
At 800m: Minus 1-2 Celsius
Freezing level: 600-700m

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
(C) Crown Copyright 2021. All Rights Reserved

Mountain Weather Forecast

Ground Conditions Supplement

Date: Friday 15 January Location: Helvellyn summit at 12:01 Temperature: minus 4.4C Maximum wind speed 21.6mph Wind chill: minus 14.1C Average wind speed: 19.7mph Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should only exercise locally, not leaving the village, town, or city where they live. It was a fine day in the fells today with a cloud inversion blanketing large areas in the south of the national park. The snow level was around 300m and it remained sub-zero throughout the day from this altitude upwards. Snow depth increases with height and was typically around boot deep above 700m in areas where it wasn't affected by the wind. Drifts up to one metre deep are not uncommon. Older snow and ice also lies underneath the new snow, typically on high, steep ground in the north and east-facing corries. Almost all of the snow that fell yesterday is dry and unconsolidated making it very susceptible to wind transportation and this was happening at almost all levels on fresh to strong southwesterly winds. As a result, many slopes exposed to these winds were becoming scoured today and the snow was being redistributed on opposite north through east-facing slopes. Pockets of very unstable windslab have formed on many different aspects, typically along ridge flanks and around corrie rims where cornices are also building. A small avalanche was witnessed today on the Helvellyn headwall which would have been large enough to take you off your feet. Swirral and Striding edge are both in full winter condition and require a lot of care and good judgement. Anyone attempting these, or similar steep, exposed routes should only do so if they have sufficient winter mountaineering experience and equipment including an ice axe and crampons. With summit windchill around minus 14°C today, full winter clothing including waterproofs, extra warm layers, hat & gloves, mountain boots, as well as a map and compass, headtorch and survival blanket are all essential for anyone heading out onto the fells. With all the loose snow blowing around, goggles are also recommended. Microspikes and poles are also very useful. Please be conservative with your plans and know your limits.

Issued at: 1621 on Fri 15 Jan 2021

(C) Crown Copyright 2021. All Rights Reserved